

Mouse anti-Human RET Proto-oncogene Monoclonal Antibody | anti-RET antibody

RET Proto-oncogene

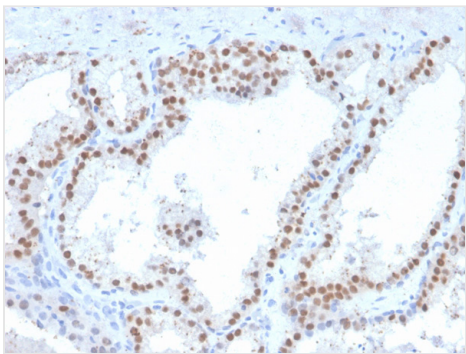
CATALOG # AAA215181	HOST Mouse	REACTIVITY Human	APPLICATIONS ELISA
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PRODUCT SYNONYMS

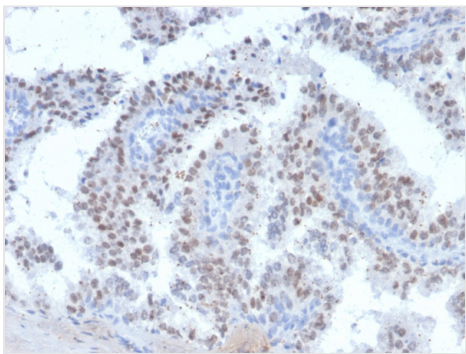
RET Proto-oncogene; Monoclonal Antibody; Cadherin family member 12 (CDHF12); Cadherin related family member 16 (CDHR16); ELKS; HSCR1; Hydroxyaryl protein kinase; MEN2A; MEN2B; MTC1; Multiple endocrine neoplasia and medullary thyroid carcinoma 1; Oncogene RET; Proto-oncogene c-Ret; Proto-oncogene tyrosine-protein kinase receptor ret; PTC; RET; RET ELE1; RET51; RET9; anti-RET antibody

PRODUCT SPECIFICATIONS

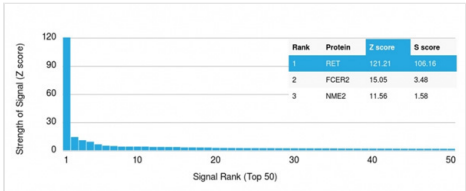
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b, kappa
Clone Number	RET/2663
Specificity	The Ret proto-oncogene is structurally related to the growing family of tyrosine kinase transmembrane receptors and is involved in GDNF signaling. RET expression is reported in several regions of the central nervous system; in the developing cranial nerve ganglia and a subset of cells within dorsal root ganglia, in motor neurons in the spinal cord and hindbrain, in neuro-retina and the growing tips of the renal collecting ducts in developing kidney. Alterations in RET gene are associated with diseases including papillary thyroid carcinoma, multiple endocrine neoplasia (type 2A and 2B), familial medullary thyroid carcinoma, and a congenital developmental disorder known as Hirschsprung's disease.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	1072
Applicable Applications for anti-RET antibody	ELISA
Positive Control	Breast, Prostate or Colon Carcinoma.
Immunogen	Recombinant fragment (around aa 702-848) of human RET protein (exact sequence is proprietary)
Cellular Localization	Cytoplasmic, Cell Surface and Nuclear
Hu-chromosome Location	10q11.21
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C. Antibody without azide: store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.



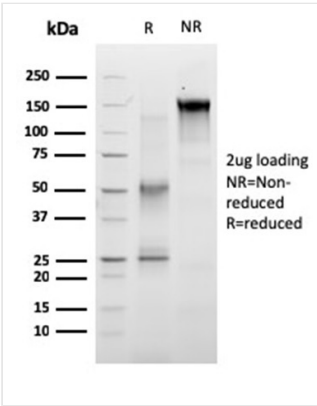
IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human prostate carcinoma stained with RET Mouse Monoclonal Antibody (RET/2663).



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Formalin-fixed, paraffin-embedded human prostate carcinoma stained with RET Mouse Monoclonal Antibody (RET/2663).



Application Data
Analysis of Protein Array containing more than 19,000 full-length human proteins using RET Mouse Monoclonal Antibody (RET/2663). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (Monoclonal Antibody) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a Monoclonal Antibody to its intended target. A Monoclonal Antibody is considered to specific to its intended target, if the Monoclonal Antibody has an S-score of at least 2.5. For example, if a Monoclonal Antibody binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that Monoclonal Antibody to protein X is equal to 29.



SDS-PAGE
SDS-PAGE Analysis of Purified RET Mouse Monoclonal Antibody (RET/2663). Confirmation of Purity and Integrity of Antibody.

ADDITIONAL INFORMATION

References	Airaksinen, M.S. et al. (1999) Mol Cell Neurosci 13, 313-25.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	10862701
NCBI GeneID	5979
NCBI Accession #	NP_065681.1
NCBI GenBank Nucleotide #	NP_065681.1
UniProt Accession #	P07949
Molecular Weight	150kDa (precursor); 170kDa (Mature)
NCBI Official Full Name	proto-oncogene tyrosine-protein kinase receptor Ret isoform c
NCBI Official Synonym Full Names	ret proto-oncogene
NCBI Official Symbol	RET
NCBI Official Synonym Symbols	PTC; MTC1; HSCR1; MEN2A; MEN2B; CDHF12; CDHR16; RET-ELE1
NCBI Protein Information	proto-oncogene tyrosine-protein kinase receptor Ret

UniProt Protein Name	Proto-oncogene tyrosine-protein kinase receptor Ret
UniProt Gene Name	RET
UniProt Synonym Gene Names	CDHF12; CDHR16; PTC; RET51
UniProt Entry Name	RET_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/ret-proto-oncogene-antibody-clone-ret-2663-elisa/215181>